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(पहला पुनरीक्षण)

Classification and Matrix for Various Categories of Hospitals

(First Revision)

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BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुरशाह ज़फर मार्ग, नई दिल्ली-110002
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI-110002
www.bis.org.in www.standardsbis.in

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards after the draft finalized by the Hospital Planning Sectional Committee had been approved by the Medical Equipment and Hospital Planning Division Council.

This standard was first published in 1988. In view of the growing influence and increased participation of the private sector in healthcare delivery system, bed complement (bed strength) as a basis for functional planning is gradually losing its relevance. Current trends in most urban and suburban areas indicate growth of single/multi-specialty hospitals and super specialty centres, for example cardiac, liver, renal, spinal injuries etc. Similarly, a number of hospitals are favouring development of 'day care centres' especially in the context of oncology, laparoscopic surgery (minimally invasive surgery), haematology, urology, oto-rhino-laryngology etc. Accordingly, in this revision, many of the departments have been shown as "Optional" to cater to such facilities. However the basic division/categorization into 5 categories has been maintained due to historical reasons and the fact that the hospitals in public sector continue to be planned accordingly.

The functional programme is the basic need for planning of any category of hospitals. The matrix which has been drawn in the standard forms the basis for starting the planning of hospitals according to the functions.

Indian Standard

CLASSIFICATION AND MATRIX FOR VARIOUS CATEGORIES OF HOSPITALS

(First Revision)

1 SCOPE

1.1 This standard specifies classification and matrix for five categories of hospitals. It includes the classification according to the functions in alphabetical order with code number, matrix and organizational classification.

2 FUNCTIONAL CLASSIFICATION, CODE NUMBER AND MATRIX

2.1 The functional classification in alphabetical order along with code number and matrix is given in Table 1. The first letter of the code number denotes the group of services, second and third denotes the discipline and fourth the sub-disci-pline. Matrix is given for 5 categories of hospitals, that is, for 30, 100, 250, 500 (teaching and non--teaching) and 750 (teaching and non-teaching) bedded hospitals. In case where 'X' is marked in the matrix, it means the requirement should exist and where 'O*' is marked, means the requirement is optional.

Table 1 Code Number, Functional Classification and Matrix in Alphabetical Order

(*Clause* 2.1)

Cod	Classification		Cat gory						
			Bed-Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
						T	NT	T	NT
Group1: Medical and Allied Disciplines									
1 01	Anaesthesiology		X	X	X	X	X	X	X
1 01.1	Cardiothoracic Anaesthesiology		O*	O*	O*	X	O*	X	O*
1 01.2	Neuro Anaesthesiology		O*	O*	O*	X	O*	X	O*
1 01.3	Paediatric Anaesthesiology		O*	O*	O*	X	O*	X	O*
1 02	Anatomy	Applied Anatomy	—	—	—	X	—	X	—
1 05	Biochemistry	Clinical Chemistry	O*	O*	X	X	X	X	X
1 07	Biophysics		—	—	—	X	—	X	—
1 08	Blood Transfusion Services	Blood Bank	O*	X	X	X	X	X	X
1 10	Cardiology		O*	O*	X	X	X	X	X
1 11	Cardio Thoracic and Vascular Surgery		O*	O*	O*	X	X	X	X
1 13	Community Medicine	Preventive and Social Medicine	X	X	X	X	X	X	X
1 14	Critical Care Medicine		O*	X	X	X	X	X	X
1 15	Dental Surgery	Dental Hygiene	O*	X	X	X	X	X	X
1 16	Dermatology and Venereology		O*	O*	X	X	X	X	X
1 17	Emergency Medicine		X	X	X	X	X	X	X
1 19	Endocrinology		O*	O*	X	X	O*	X	O*
1 24	Family Medicine		X	X	X	X	X	X	X
1 26	Forensic Medicine & Toxicology		—	X	X	X	X	X	X
1 27	Gastro Intestinal Surgery		O*	O*	O*	X	O*	X	O*
1 28	Gastro-enterlogy		O*	O*	X	X	O*	X	O*
1 29	General Medicine	Internal Medicine	X	X	X	X	X	X	X
1 30	General Surgery		X	X	X	X	X	X	X
1 31	Geriatrics		O*	O*	X	X	X	X	X
1 33	Haematology	Clinical Haematology	O*	O*	X	X	X	X	X
1 37	Hospital Administration	Health Administration	—	X	X	X	X	X	X
1 41	Immunology		—	—	O*	X	X	X	X
1 41.1	Clinical Immunology		O*	O*	X	X	X	X	X

*For concerned specialty/super specialty hospitals, it is required, irrespective of bed strength.

Table 1 — (*Continued*)

Code	Classification		Category						
			Bed-Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
						T	NT	T	NT
1 42	Rheumatology		O*	O*	X	X	X	X	X
1 49	Medical Oncology		O*	O*	O*	X	O*	X	O*
1 50	Medical Physics		O*	O*	O*	X	O*	X	O*
1 52	Micro-biology	Bacteriology, Mycology & Parasitology	O*	X	X	X	X	X	X
1 52.4	Virology		—	—	—	O*	O*	O*	O*
1 55	Neonatology		O*	O*	X	X	X	X	X
1 56	Nephrology	Dialysis	O*	O*	X	X	O*	X	O*
1 57	Neurology		O*	O*	X	X	O*	X	O*
1 58	Neurosurgery		O*	O*	X	X	O*	X	O*
1 60	Nuclear Medicine	Radiation Medicine	—	O*	O*	X	O*	X	O*
1 64	Obstetrics and Gynecology		X	X	X	X	X	X	X
1 67	Ophthalmology Eye		O*	X	X	X	X	X	X
1 68	Orthopaedics		O*	X	X	X	X	X	X
1 69	Oto-Rhino-Laryngology	ENT	O*	X	X	X	X	X	X
1 72	Paediatrics		X	X	X	X	X	X	X
1 72.1	Paediatric Cardiology		O*	O*	O*	X	X	X	X
1 72.2	Paediatric Endocrinology		O*	O*	O*	O*	O*	O*	O
1 72.3	Paediatric Nephrology		O*	O*	O*	O*	O*	O*	O*
1 72.4	Paediatric Neurology		O*	O*	O*	O*	O*	O*	O*
1 72.5	Paediatric Oncology		O*	O*	O*	O*	O*	O*	O*
1 73	Paediatric Surgery		O*	O*	O*	X	X	X	X
1 74	Pathology	Histopathology, Cytopathology	O*	X	X	X	X	X	X
1 74.3	Immuno Pathology		O*	O*	O*	X	O*	X	O*
1 76	Pharmacology		—	—	—	X	O*	X	O*
1 76.1	Clinical Pharmacology		—	—	—	X	O*	X	O*
1 77	Physical Medicine and Rehabilitation	Physiotherapy and Occu. Therapy	O*	O*	X	X	X	X	X
1 78	Physiology		—	—	—	X	—	X	—
1 80	Plastic & Reconstructive Surgery	Burns	O*	O*	O*	X	X	X	X
1 82	Psychiatry	De-addiction	O*	O*	X	X	X	X	X
1 82.1	Clinical Psychology		O*	O*	X	X	X	X	X
1 85	Pulmonary Medicine	Chest Disease/TB	O*	O*	X	X	X	X	X
1 88	Radio Diagnosis	Radiology	X	X	X	X	X	X	X
1 89	Radiation Oncology	Radio Therapy	O*	O*	O*	X	X	X	X
1 90	Sports Medicine		—	—	—	O*	O*	O*	O*
1 91	Surgical Oncology		O*	O*	O*	X	X	X	X
1 94	Transplant Surgery		O*	O*	O*	O*	O*	O*	O*
1 95	Traumatology		O*	O*	X	X	X	X	X
1 97	Urology	Genito-Urinary Surgery	O*	O*	O*	X	X	X	X
Group 2: Health and Allied Services									
2 05	Bio-Statistics		—	O*	X	X	X	X	X
2 10	Environmental Health		—	O*	X	X	X	X	X
2 15	Epidemiology	Clinical Epidemiology	—	—	X	X	X	X	X
2 20	Family Welfare		X	X	X	X	X	X	X
2 25	Health Education		X	X	X	X	X	X	X
2 40	Maternal and Child Health		X	X	X	X	X	X	X
2 45	Mental Health		O*	O*	X	X	X	X	X
2 55	Occupational Health	Industrial Hygiene	—	O*	X	X	X	X	X
2 70	School Health		X	X	X	X	X	X	X
Group 3: Nursing, Paramedical, Technical and Allied Services									
3 10	Dietetics and Nutrition	Catering	O*	X	X	X	X	X	X
3 15	Drugs and Pharmacy		X	X	X	X	X	X	X
3 20	ECG Services		X	X	X	X	X	X	X
3 30	Imaging Services								
3 30.1	X-ray		X	X	X	X	X	X	X
3 30.2	Ultrasound		O*	X	X	X	X	X	X
3 30.3	C.T. Scan		—	O*	O*	X	X	X	X
3 30.4	M.R.I		—	—	O*	X	X	X	X

*For concerned specialty/super specialty hospitals, it is required, irrespective of bed strength.

Table 1 — (*Continued*)

Cod	Classification		Cat gory						
			Bed-Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
						T	NT	T	NT
3 35	Laboratory Services		X	X	X	X	X	X	X
3 40	Laundry Services		O*	X	X	X	X	X	X
3 45	Medical Record Services		X	X	X	X	X	X	X
3 47	Medical Social Services		O*	X	X	X	X	X	X
3 50	Nursing Services		X	X	X	X	X	X	X
3 50.1	Intensive Care Nursing		O*	O*	X	X	X	X	X
3 50.2	Maternity Nursing		X	X	X	X	X	X	X
3 50.3	Medical and Surgical Nursing		X	X	X	X	X	X	X
3 50.4	Nursing Administration		—	X	X	X	X	X	X
3 50.5	Operation Theatre Nursing		X	X	X	X	X	X	X
3 50.6	Paediatric Nursing		X	X	X	X	X	X	X
3 50.7	Psychiatric Nursing		O*	O*	X	X	X	X	X
3 50.8	Public Health Nursing		X	X	O*	X	O*	X	O*
3 53	Occupational Therapy Services		O*	O*	X	X	X	X	X
3 55	Operation Theatre Services	Anaesthesia Services	X	X	X	X	X	X	X
3 60	Ophthalmic Technology		O*	X	X	X	X	X	X
3 65	Pharmacy		X	X	X	X	X	X	X
3 70	Physiotherapy		O*	O*	X	X	X	X	X
3 80	Radioisotope Technology		—	O*	O*	X	O*	X	O*
3 85	Radiotherapy Technology		O*	O*	O*	X	X	X	X
3 90	Sterilization and Disinfection Services	CSSD	X	X	X	X	X	X	X
3 95	Speech and Hearing Technology		O*	O*	X	X	X	X	X
Group 4: Engineering and Allied Services									
4 01	Bio-Medical Engineering		—	—	—	O*	—	O*	—
4 02	Bio Technology		—	—	—	O*	—	O*	—
4 05	Building Maintenance		X	X	X	X	X	X	X
4 07	Building Management Systems		—	O	X	X	X	X	X
4 08	Closed Circuit TV (CCTV)		—	X	X	X	X	X	X
4 10	Electric Supply	Back-Up Power and Stabilization	X	X	X	X	X	X	X
4 15	Fire Protection		X	X	X	X	X	X	X
4 20	Heating Ventilation and Air Conditioning (HVAC)		O	O	O	X	X	X	X
4 25	Horticultur	Landscaping	O	X	X	X	X	X	X
4 30	Hot Water and Steam Supply		O	O	X	X	X	X	X
4 33	Lifts and Vertical Transport		O	O	X	X	X	X	X
4 35	LPG Supply		O	X	X	X	X	X	X
4 40	Mechanical Transport	Ambulance Service	X	X	X	X	X	X	X
4 45	Medical Gases Supply and Vacuum	AGSS	X	X	X	X	X	X	X
4 47	Refrigeration		X	X	X	X	X	X	X
4 50	Sewage Treatment and Disposable	ETP	—	—	O	O	O	O	O
4 52	Solar Energy		O	O	O	O	O	O	O
4 55	Solid Waste Disposal Biomedical Waste		X	X	X	X	X	X	X
4 60	Telephone and Communication		X	X	X	X	X	X	X
4 65	Water Treatment and Supply		X	X	X	X	X	X	X
4 70	Workshop		O*	X	X	X	X	X	X
4 70.1	Automobile Workshop		—	—	—	O	O	X	O
4 70.2	Electrical Workshop		—	—	—	O	O	X	O
4 70.3	Electronics Workshop		—	—	—	O	O	X	O
4 70.4	Mechanical Workshop		—	—	—	O	O	X	O
Group 5: Administrative and Ancillary Services									
5 05	Audio-visual Service	Field Publicity	X	X	X	X	X	X	X
5 10	Clinical Photography Unit		—	—	—	X	O	X	O
5 11	Computer Facility Telemedicine Services		X	X	X	X	X	X	X
5 15	Documentation		O	O	X	X	X	X	X
5 20	Education and Training	Continuing Medical Education	O	O	X	X	X	X	X
5 25	Estate Management		O	O	X	X	X	X	X

*For concerned specialty/super specialty hospitals, it is required, irrespective of bed strength.

Table 1 — (*Continued*)

Code	Classification		Category						
			Bed-Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
						T	NT	T	NT
5 30	Financial Management	Accounts	O	O	X	X	X	X	X
5 35	General Administration		X	X	X	X	X	X	X
5 40	House Keeping & Sanitation Control	Pest & Rodent	X	X	X	X	X	X	X
5 45	Library		X	X	X	X	X	X	X
5 50	Management Information System	Hospital Statistics	O	O	X	X	X	X	X
5 55	Material Management	Inventory Control	X	X	X	X	X	X	X
5 65	Personnel Management	Manpower Development	—	O	X	X	X	X	X
5 70	Public Relations	Media Management	X	X	X	X	X	X	X
5 73	Research Unit Bio-medical Research		O	O	O	X	O	X	O
5 75	Security		X	X	X	X	X	X	X

2.1.1 *Functional Organizational Classification According to Disciplines*

The functional organizational classification according to disciplines along with code number and matrix is given in Table 2.

Table 2 Functional Organizational Classifications According to the Disciplines

(*Clause* 2.1.1)

Code	Classification		Category						
			Bed-Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
						T	NT	T	NT
Group 1: Medical and Allied Disciplines									
	Medical Disciplines								
1 10	Cardiology		O*	O*	X	X	X	X	X
1 16	Dermatology and Venereology		O*	O*	X	X	X	X	X
1 19	Endocrinology		O*	X	X	X	X	X	X
1 24	Family Medicine		X	X	X	X	X	X	X
1 28	Gastro-enterlogy		O*	O*	X	X	X	X	X
1 29	General Medicine	Internal Medicine	X	X	X	X	X	X	X
1 31	Geriatrics		O*	O*	X	X	X	X	X
1 33	Haematology		O*	O*	X	X	X	X	X
1 41	Immunology		O*	O*	X	X	X	X	X
1 49	Medical Oncology		O*	O*	O*	X	X	X	X
1 55	Neonatology		O*	O*	X	X	X	X	X
1 56	Nephrology	Dialysis	O*	O*	X	X	X	X	X
1 57	Neurology		O*	O*	X	X	X	X	X
1 72	Paediatrics		X	X	X	X	X	X	X
1 72.1	Paediatric Cardiology		—	—	O*	X	X	X	X
1 72.2	Paediatric Endocrinology		O*	O*	O*	O*	O*	O*	O
1 72.3	Paediatric Nephrology		O*	O*	O*	O*	O*	O*	O*
1 72.4	Paediatric Neurology		O*	O*	O*	O*	O*	O*	O*
1 72.5	Paediatric Oncology		O*	O*	O*	O*	O*	O*	O*
1 76.1	Clinical Pharmacology		—	—	—	X	O*	X	O*
1 77	Physical Medicine & Rehabilitation	Physiotherapy & Occ. Therapy	O*	O*	X	X	X	X	X
1 82	Psychiatry		O*	O*	X	X	X	X	X
1 85	Pulmonary Medicine	Chest Disease/TB	O*	X	X	X	X	X	X
1 90	Sports Medicine		—	—	—	O*	O*	O*	O*
	Surgical Disciplines								
1 11	Cardio-vascular and Thoracic Surgery		O*	O*	O*	X	X	X	X
1 15	Dental Surgery Dental Hygiene		O*	X	X	X	X	X	X
1 27	Gastro Intestinal Surgery		O*	O*	O*	X	X	X	X
1 30	General Surgery		X	X	X	X	X	X	X

*For concerned specialty/super specialty hospitals, it is required, irrespective of bed strength.

Table 2 — (*Concluded*)

Cod	Classification		Cat gory						
			Bed-Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
						T	NT	T	NT
1 58	Neurosurgery		O*	O*	X	X	X	X	X
1 64	Obstetrics and Gynaecology		X	X	X	X	X	X	X
1 67	Ophthalmology	Ey	O*	X	X	X	X	X	X
1 68	Orthopaedics		O*	O*	X	X	X	X	X
1 69	Oto-Rhino-Laryngology	ENT	O*	O*	X	X	X	X	X
1 73	Paediatric Surgery		O*	O*	O*	X	X	X	X
1 80	Plastic & Reconstructive Surgery	Burns	O*	O*	O*	X	X	X	X
1 91	Surgical Oncology		O*	O*	X	O*	O*	O*	O*
1 94	Transplant Surgery		O*	O*	O*	O*	O*	X	O
1 95	Traumatology		O*	X	X	X	X	X	X
1 97	Urology	Genito-Urinary Surgery	O*	O*	O*	X	X	X	X
	Laboratory Based Disciplines								
1 05	Biochemistry	Clinical chemistry	O*	O*	X	X	X	X	X
1 07	Biophysics	Medical Physics	—	—	—	X	—	X	—
1 08	Blood Transfusion	Blood Bank	O*	X	X	X	X	X	X
1 33.1	Clinical Haematology		O*	O*	X	X	X	X	O*
1 41.1	Clinical Immunology		—	—	—	X	X	X	X
1 52	Microbiology	Bacteriology, Mycology & Parasitology	O*	O*	X	X	X	X	X
1 52.4	Virology		—	—	—	O*	O*	O*	O*
1 74	Pathology	Cytology & Histopathology	O*	X	X	X	X	X	X
1 74.1	Immuno-Pathology		O*	O*	O*	X	O*	X	O*
1 76	Pharmacology	Clinical Pharmacology	—	—	—	X	O*	X	O*
1 83	Clinical Psychology		O*	O*	X	X	X	X	X
	Radiological Disciplines								
1 60	Nuclear Medicine	Radiation Medicine	—	O*	O*	X	O*	X	O*
1 88	Radio-Diagnosis	Radiology	X	X	X	X	X	X	X
1 89	Radiation Oncology	Radiotherapy	O*	O*	O*	X	X	X	X
	Anesthesia and Resuscitation								
1 01	Anaesthesiology		X	X	X	X	X	X	X
1 14	Critical Care Medicine		O*	X	X	X	X	X	X
1 17	Emergency Medicine		X	X	X	X	X	X	X
	Other Disciplines								
1 13	Community Medicine	Social and Preventive Medicine	X	X	X	X	X	X	X
1 26	Forensic Medicine & Toxicology		—	X	X	X	X	X	X
Administrative Disciplines									
1 37	Hospital Administration Health Administration		—	X	X	X	X	X	X

Notations:

O = Optional
X = Required
T = Teaching hospitals
NT = Non-teaching hospitals
ETP = Effluent treatment plant
CSSD = Central sterile supply system
AGSS = Anaesthetic gas scavenging system

*For concerned specialty/super specialty hospitals, it is required, irrespective of bed strength.

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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 2323 0131, 2323 3375, 2323 9402 *Website*: www.bis.org.in

Regional Offices:			*Telephones*
Central	:	Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	2323 7617 2323 3841
Eastern	:	1/14 C.I.T. Scheme VII M, V. I. P. Road, Kankurgachi KOLKATA 700054	2337 8499, 2337 8561 2337 8626, 2337 9120
Northern	:	SCO 335-336, Sector 34-A, CHANDIGARH 160022	260 3843 260 9285
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